

Abstract

There is provided a composite material, which exhibits the properties of copper alloy and aluminum alloy, and which has improved wear-resistance and seizure-resistance. By frame-spraying is prepared a copper-aluminum composite material, which consists of copper or first copper-alloy (for example Cu – Pb alloy) including at least unmelted phase and aluminum or first aluminum-alloy (for example Al – Si alloy) including at least melted phase.

1. A composite material comprising a first metal alloy and a second metal alloy, the first metal alloy including at least one unmelted phase and the second metal alloy including at least one melted phase, the first metal alloy and the second metal alloy being frame-sprayed together to form a composite material.